

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX120919\
 Data File : VX013849.D
 Acq On : 09 Dec 2019 14:13
 Operator : JC/SP
 Sample : K6185-19
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 EB01-20191205

Quant Time: Dec 12 08:08:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112619W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 26 15:53:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	620690	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	956845	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	848527	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	365481	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	347910	48.29	ug/l	0.00
Spiked Amount			Recovery	=	96.58%	
35) Dibromofluoromethane	5.49	113	287574	48.62	ug/l	0.00
Spiked Amount			Recovery	=	97.24%	
50) Toluene-d8	8.71	98	1133183	49.17	ug/l	0.00
Spiked Amount			Recovery	=	98.34%	
62) 4-Bromofluorobenzene	11.13	95	375224	45.15	ug/l	0.00
Spiked Amount			Recovery	=	90.30%	

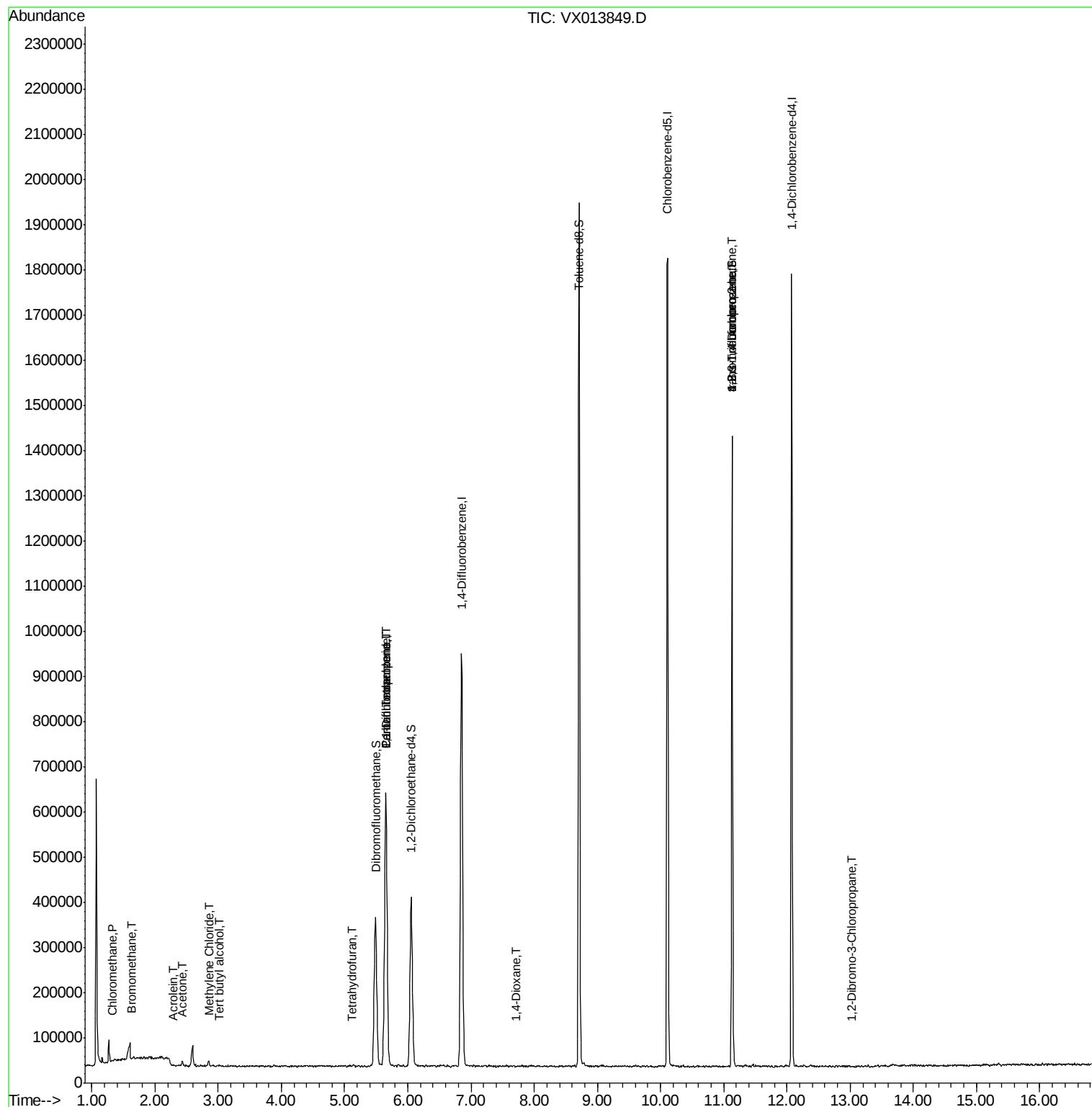
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	2588	0.334	ug/l	97
5) Bromomethane	1.64	94	1914	0.327	ug/l	99
11) Tert butyl alcohol	3.03	59	3228	1.815	ug/l #	74
13) Acrolein	2.28	56	285	6.238	ug/l #	1
16) Acetone	2.43	43	12214	3.434	ug/l #	82
20) Methylene Chloride	2.85	84	5908	0.865	ug/l #	82
29) Tetrahydrofuran	5.12	42	1216	0.373	ug/l #	63
36) 1,1-Dichloropropene	5.65	75	42534	4.897	ug/l #	48
38) Carbon Tetrachloride	5.65	117	54176	6.764	ug/l #	17
49) 1,4-Dioxane	7.73	88	312	1.788	ug/l #	5
76) 1,2,3-Trichloropropane	11.13	75	181298	22.055	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	181298	60.338	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	13.03	75	430	0.222	ug/l	78

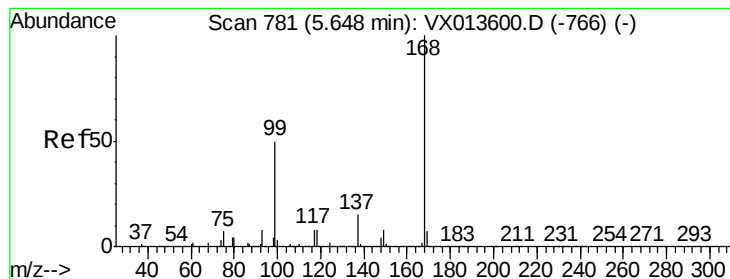
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Nov 26 15:53:00 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX013849.D

Acq: 09 Dec 2019 14:13

Instrument :

MSVOA_X

ClientSampleId :

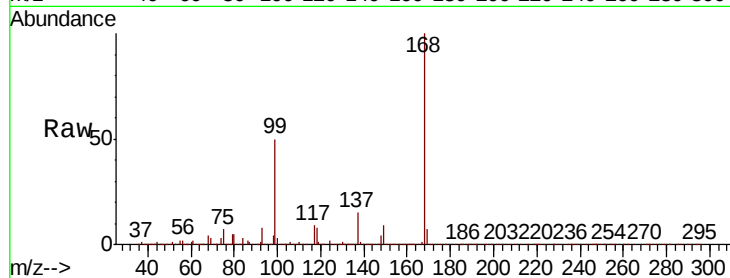
EB01-20191205

Tot Ion:168 Resp: 620690

Ion Ratio Lower Upper

168 100

99 49.7 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

250000

200000

150000

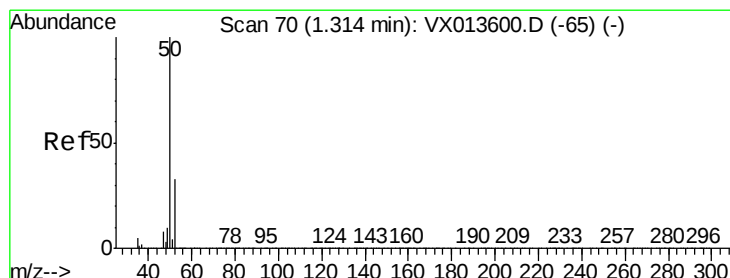
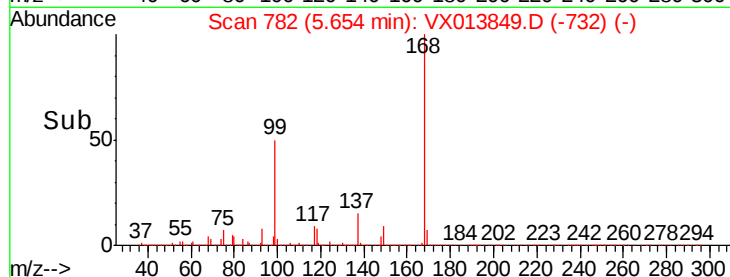
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.334 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.01 min

Lab File: VX013849.D

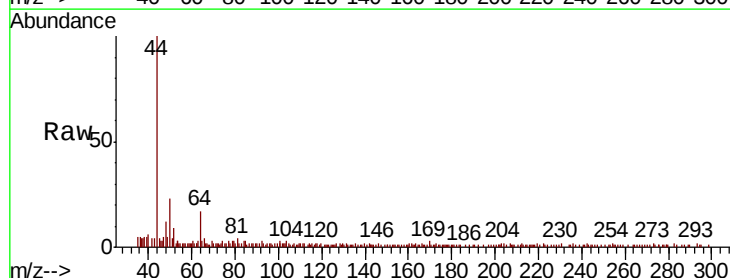
Acq: 09 Dec 2019 14:13

Tgt Ion: 50 Resp: 2588

Ion Ratio Lower Upper

50 100

52 34.0 26.0 39.0



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

2000

1500

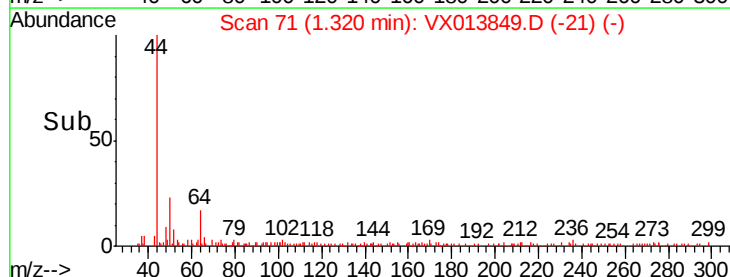
1000

500

0

Time-->

1.30 1.35





#5

Bromomethane

Concen: 0.327 ug/l

RT: 1.64 min Scan# 123

Delta R.T. 0.01 min

Lab File: VX013849.D

Acq: 09 Dec 2019 14:13

Instrument :

MSVOA_X

ClientSampleId :

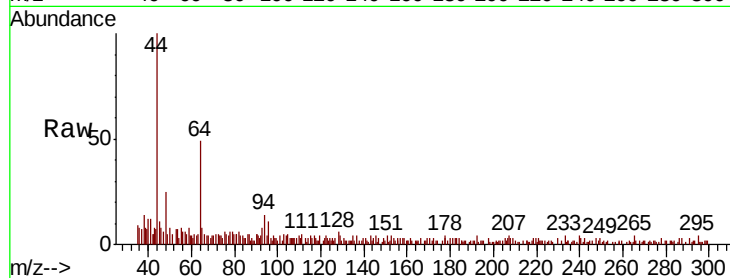
EB01-20191205

Tot Ion: 94 Resp: 1914

Ion Ratio Lower Upper

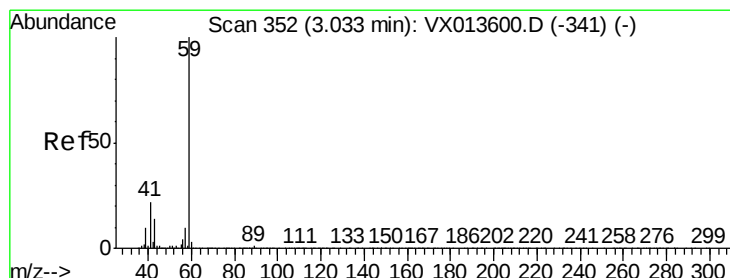
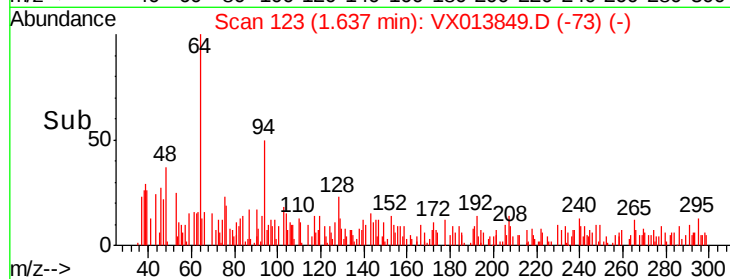
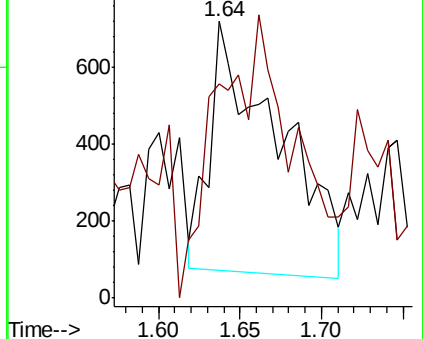
94 100

96 97.6 77.0 115.4



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#11

Tert butyl alcohol

Concen: 1.815 ug/l

RT: 3.03 min Scan# 351

Delta R.T. -0.01 min

Lab File: VX013849.D

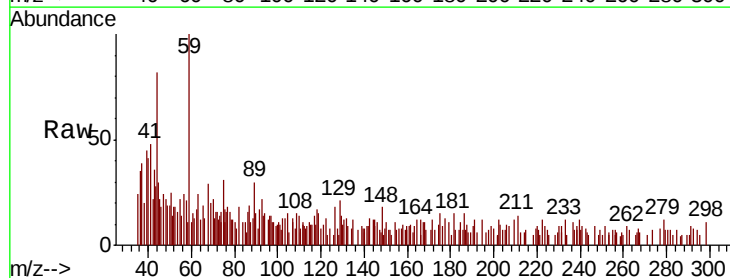
Acq: 09 Dec 2019 14:13

Tgt Ion: 59 Resp: 3228

Ion Ratio Lower Upper

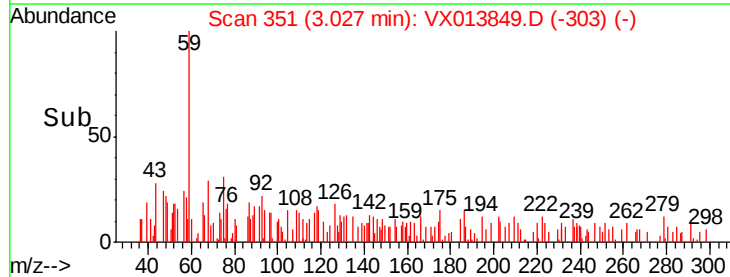
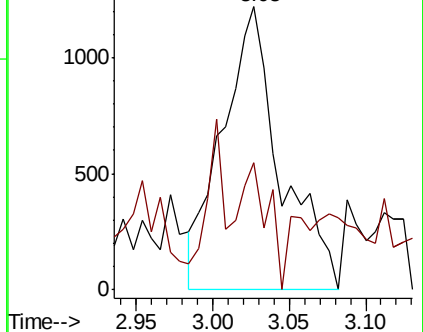
59 100

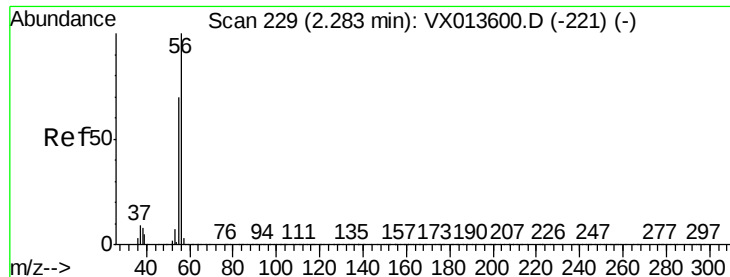
57 19.2 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 6.238 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.00 min

Lab File: VX013849.D

Acq: 09 Dec 2019 14:13

Instrument :

MSVOA_X

ClientSampled :

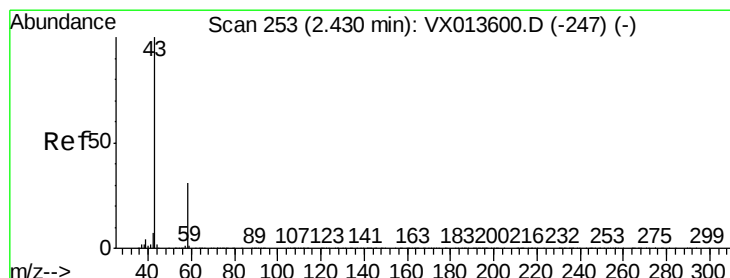
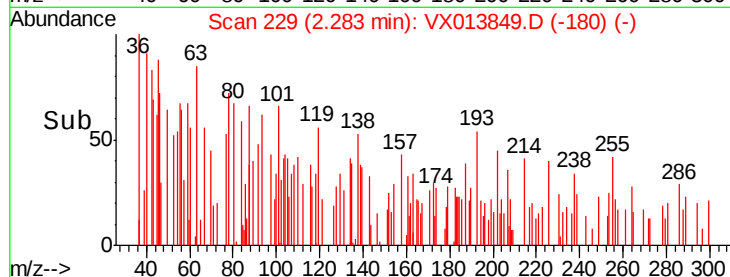
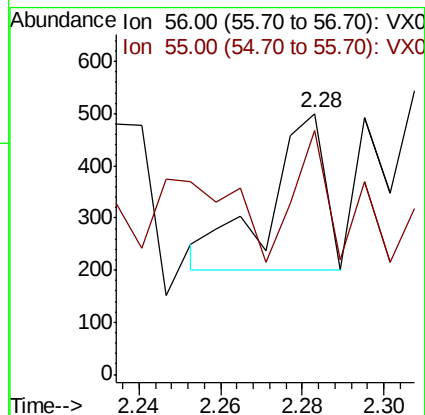
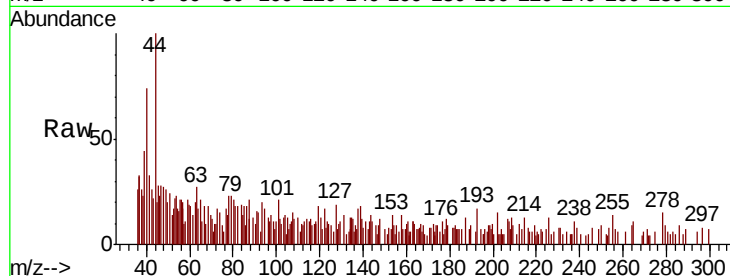
EB01-20191205

Tot Ion: 56 Resp: 285

Ion Ratio Lower Upper

56 100

55 198.6 56.2 84.4#



#16

Acetone

Concen: 3.434 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.00 min

Lab File: VX013849.D

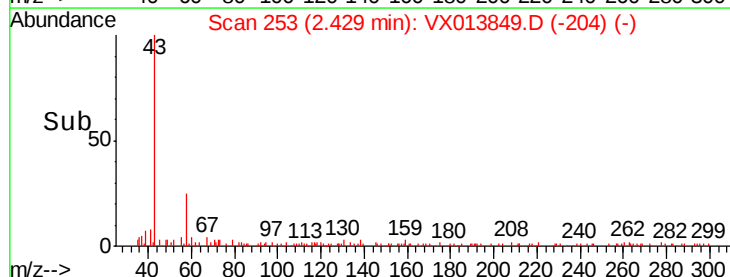
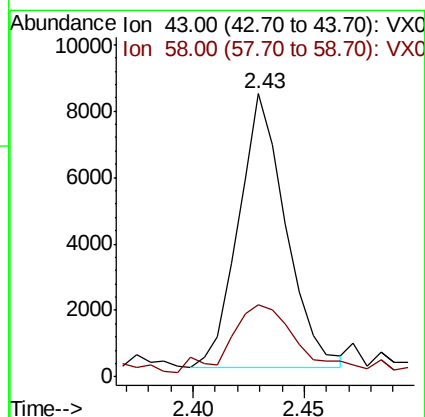
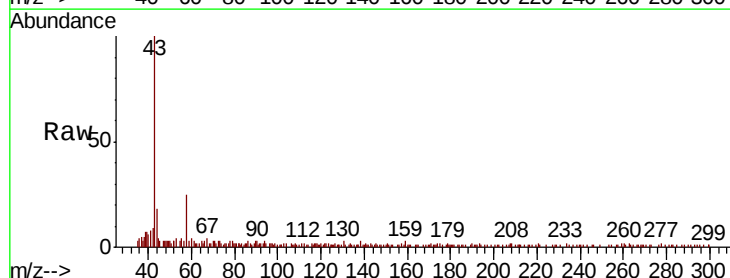
Acq: 09 Dec 2019 14:13

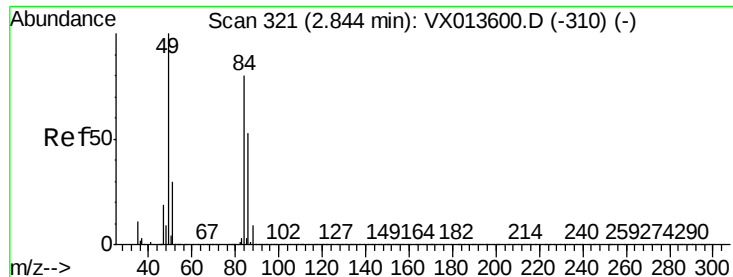
Tgt Ion: 43 Resp: 12214

Ion Ratio Lower Upper

43 100

58 20.6 24.6 36.8#





#20

Methylene Chloride

Concen: 0.865 ug/l

RT: 2.85 min Scan# 322

Delta R.T. 0.01 min

Lab File: VX013849.D

Acq: 09 Dec 2019 14:13

Instrument :

MSVOA_X

ClientSampleId :

EB01-20191205

Tot Ion: 84 Resp: 5908

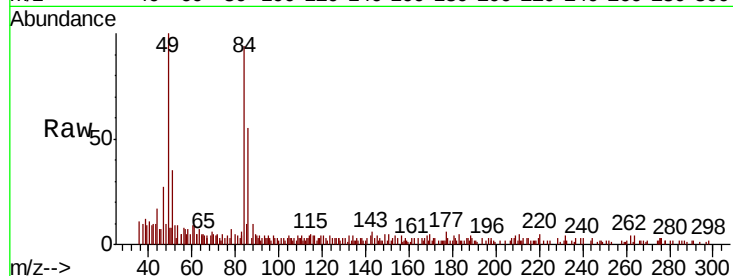
Ion Ratio Lower Upper

84 100

49 98.2 99.7 149.5#

51 29.1 29.9 44.9#

86 56.4 52.2 78.4



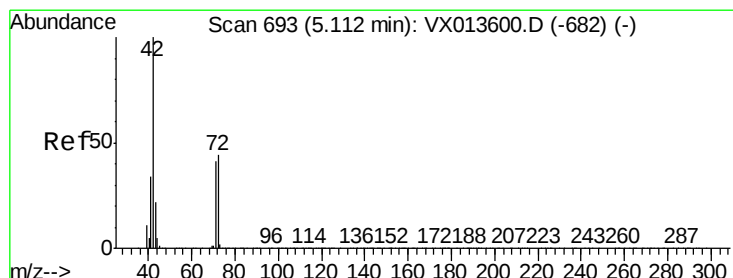
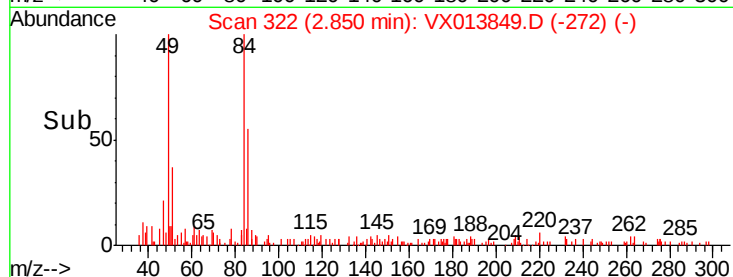
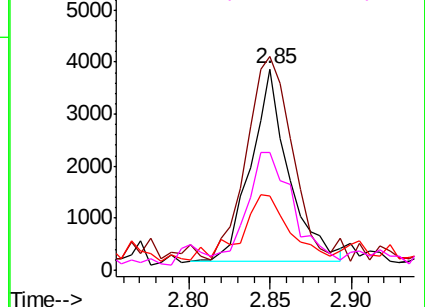
Abundance

Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0



#29

Tetrahydrofuran

Concen: 0.373 ug/l

RT: 5.12 min Scan# 694

Delta R.T. 0.01 min

Lab File: VX013849.D

Acq: 09 Dec 2019 14:13

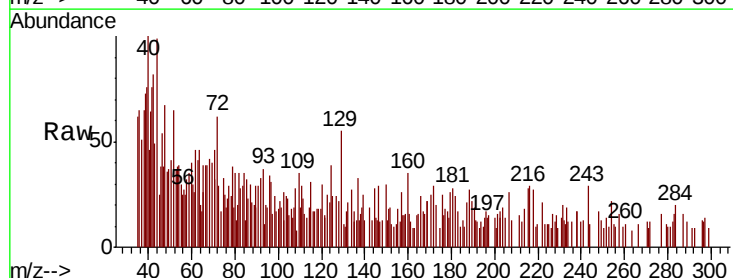
Tgt Ion: 42 Resp: 1216

Ion Ratio Lower Upper

42 100

72 38.0 36.3 54.5

71 0.0 33.2 49.8#

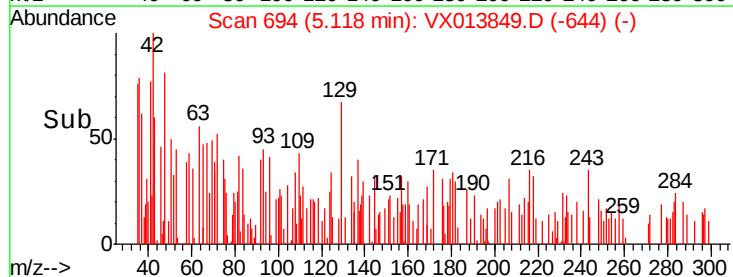
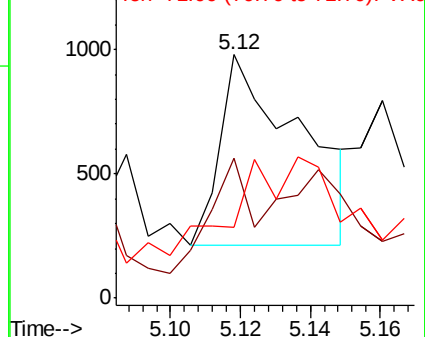


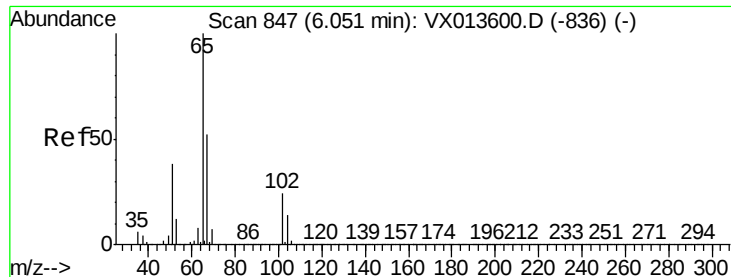
Abundance

Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 48.289 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX013849.D

Acq: 09 Dec 2019 14:13

Instrument :

MSVOA_X

ClientSampleId :

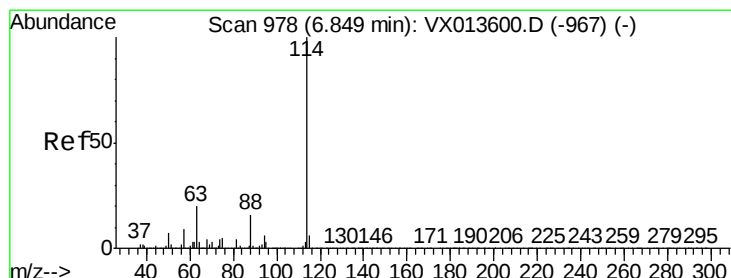
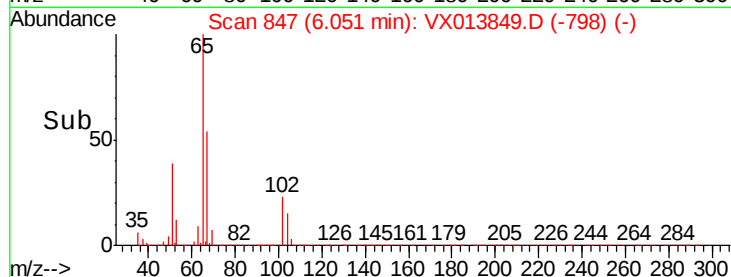
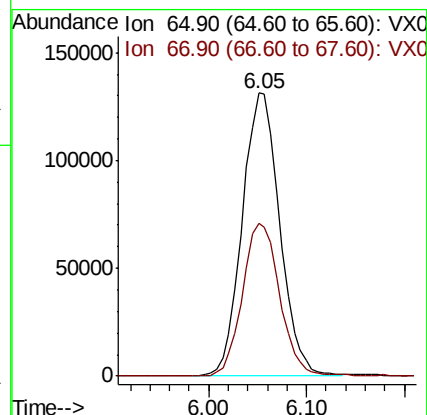
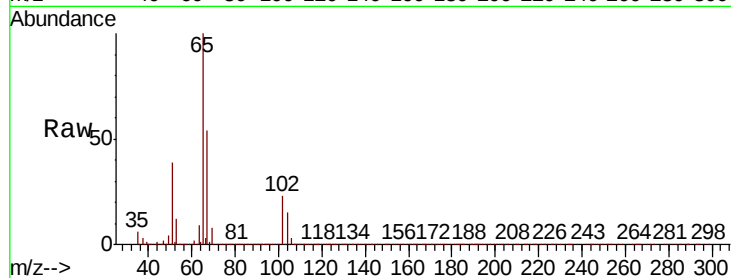
EB01-20191205

Tot Ion: 65 Resp: 347910

Ion Ratio Lower Upper

65 100

67 53.4 0.0 104.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX013849.D

Acq: 09 Dec 2019 14:13

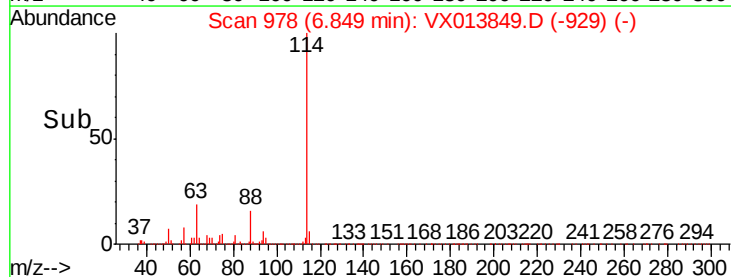
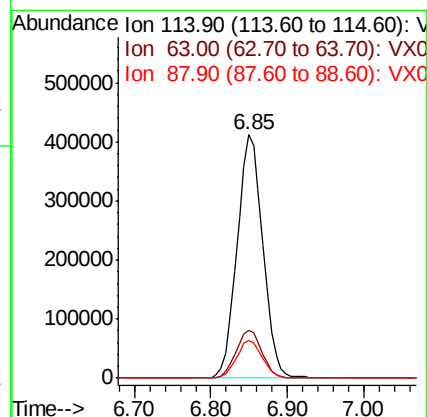
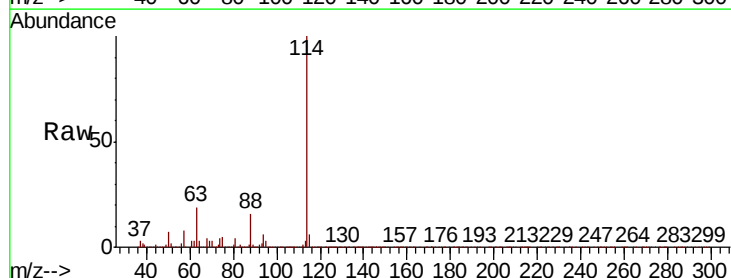
Tgt Ion: 114 Resp: 956845

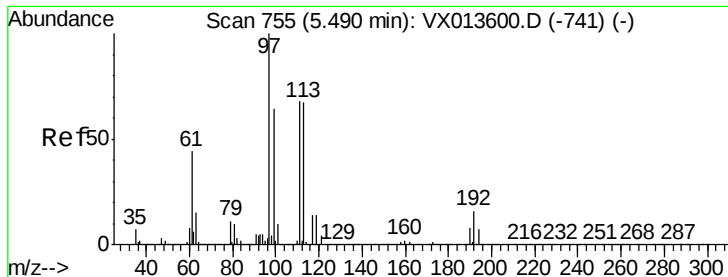
Ion Ratio Lower Upper

114 100

63 19.3 0.0 39.6

88 15.6 0.0 31.4





#35

Dibromofluoromethane

Concen: 48.615 ug/l

RT: 5.49 min Scan# 755

Delta R.T. -0.00 min

Lab File: VX013849.D

Acq: 09 Dec 2019 14:13

Instrument :

MSVOA_X

ClientSampleId :

EB01-20191205

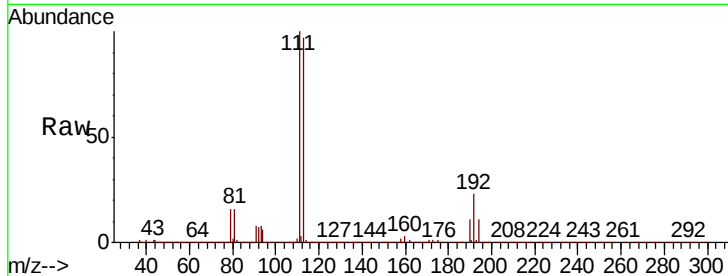
Tot Ion:113 Resp: 287574

Ion Ratio Lower Upper

113 100

111 102.5 83.6 125.4

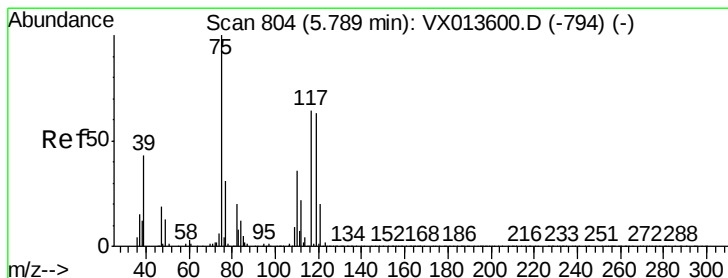
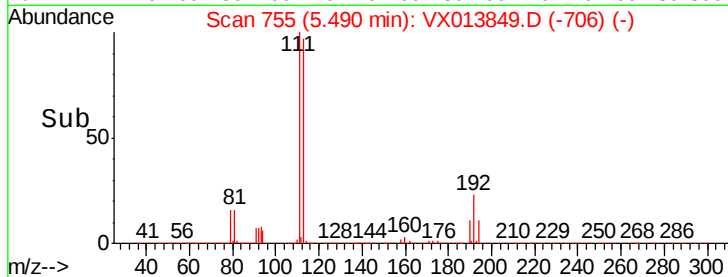
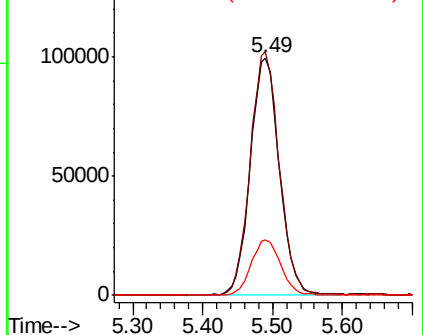
192 23.5 19.2 28.8



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.897 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.13 min

Lab File: VX013849.D

Acq: 09 Dec 2019 14:13

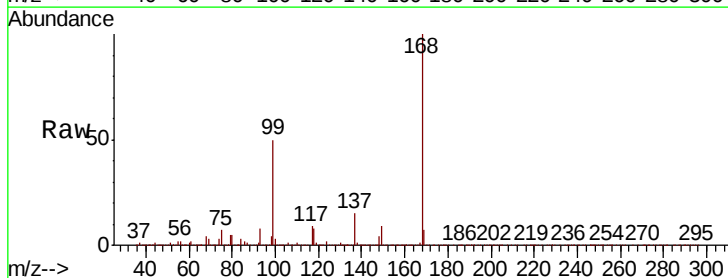
Tgt Ion: 75 Resp: 42534

Ion Ratio Lower Upper

75 100

110 7.2 18.1 54.1#

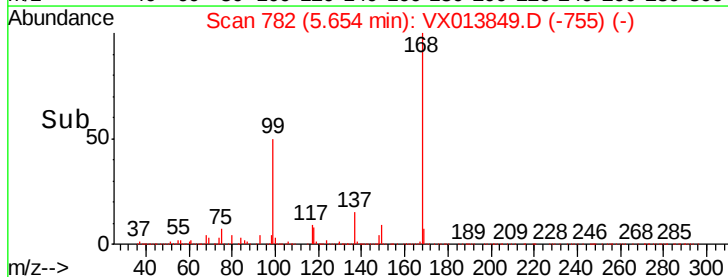
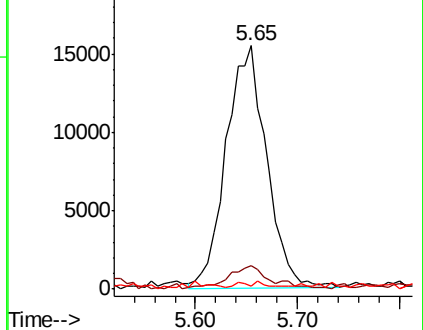
77 0.6 24.5 36.7#

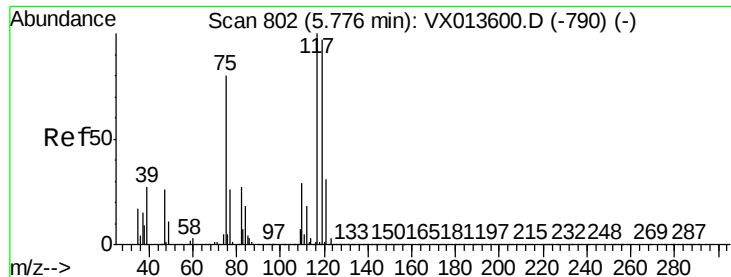


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.764 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.12 min

Lab File: VX013849.D

Acq: 09 Dec 2019 14:13

Instrument :

MSVOA_X

ClientSampleId :

EB01-20191205

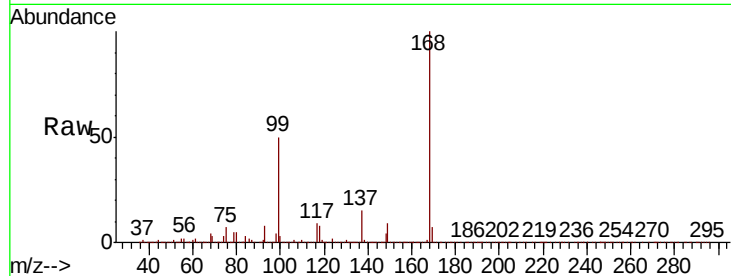
Tot Ion:117 Resp: 54176

Ion Ratio Lower Upper

117 100

119 6.9 77.5 116.3#

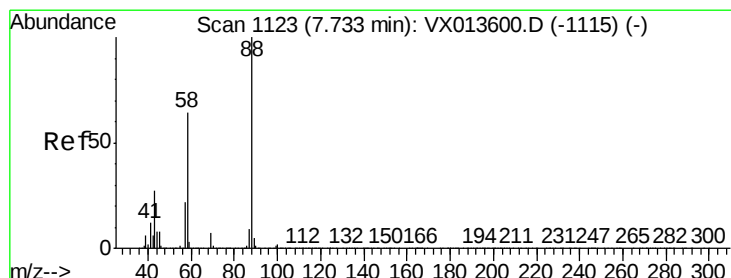
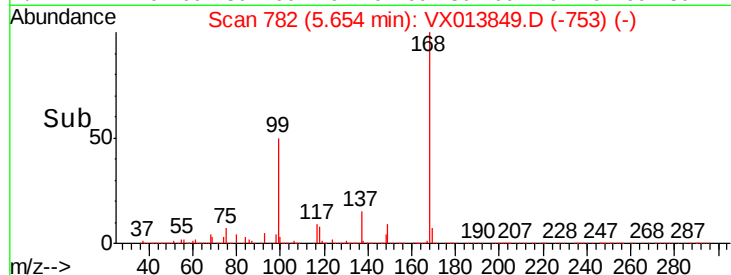
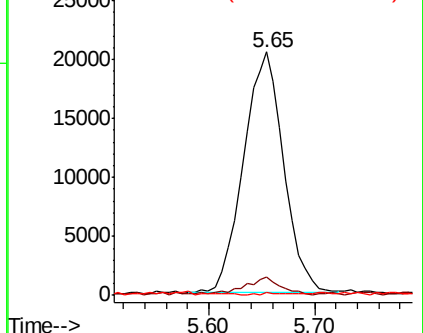
121 0.9 25.0 37.6#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#49

1,4-Dioxane

Concen: 1.788 ug/l

RT: 7.73 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VX013849.D

Acq: 09 Dec 2019 14:13

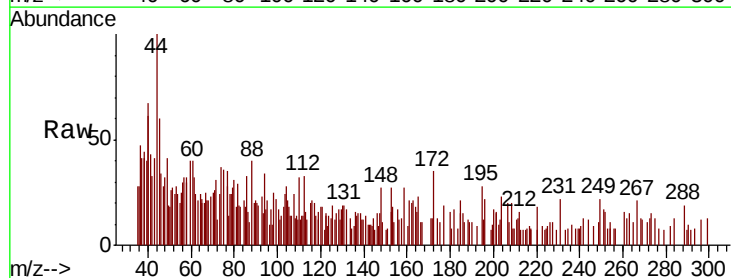
Tgt Ion: 88 Resp: 312

Ion Ratio Lower Upper

88 100

43 142.0 25.8 38.6#

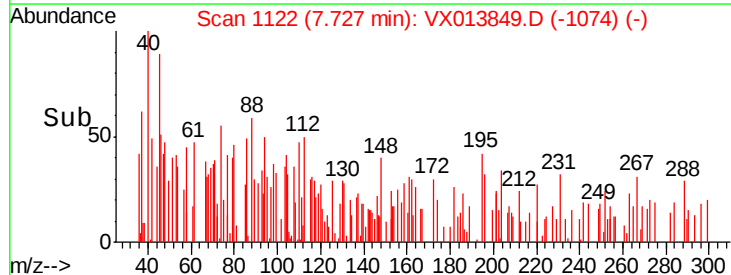
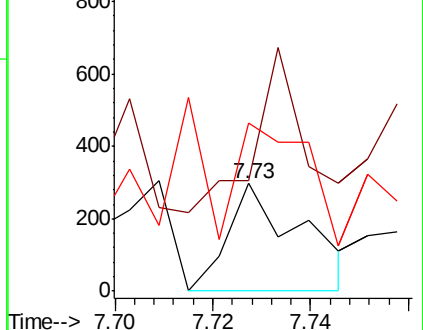
58 106.1 54.6 82.0#

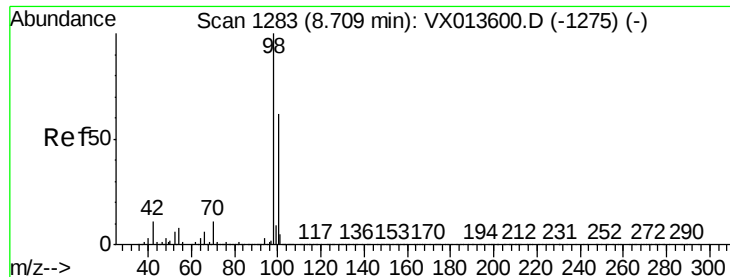


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 49.169 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX013849.D

Acq: 09 Dec 2019 14:13

Instrument :

MSVOA_X

ClientSampleId :

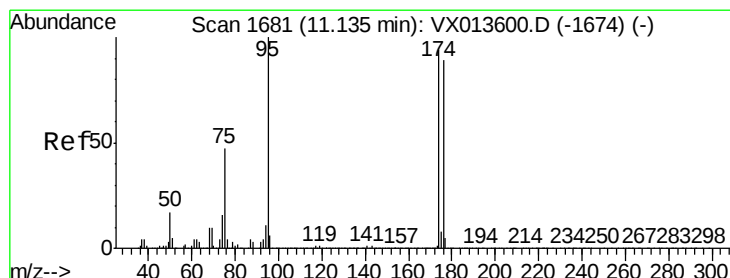
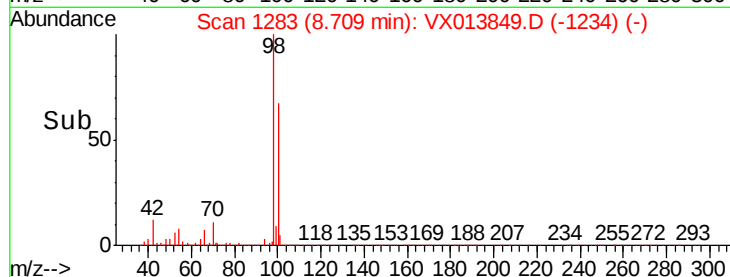
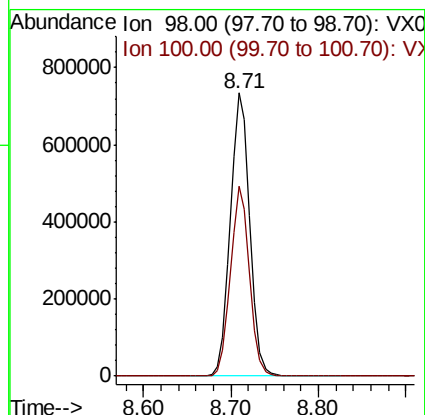
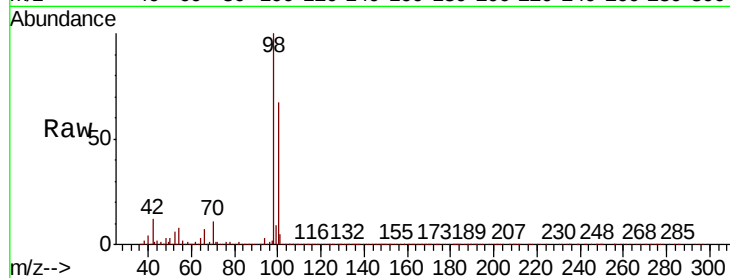
EB01-20191205

Tot Ion: 98 Resp: 1133183

Ion Ratio Lower Upper

98 100

100 65.4 53.1 79.7



#62

4-Bromofluorobenzene

Concen: 45.149 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VX013849.D

Acq: 09 Dec 2019 14:13

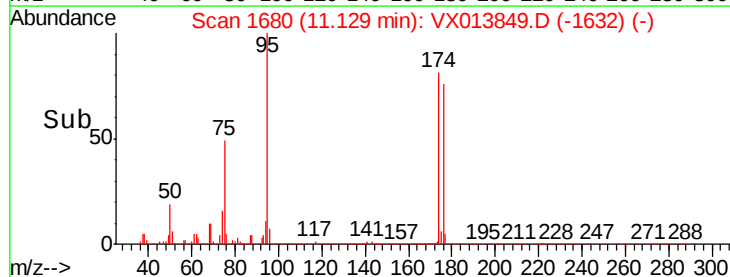
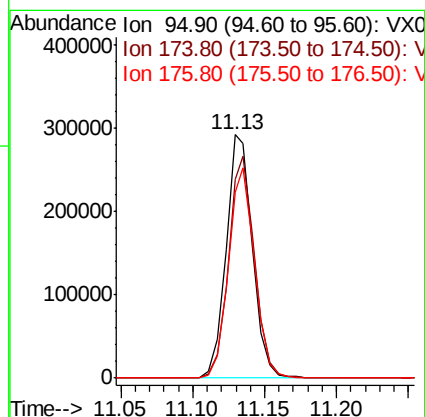
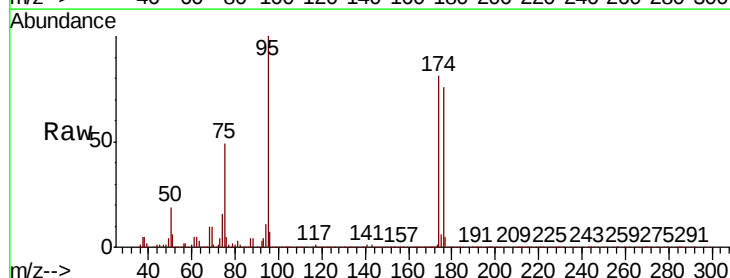
Tgt Ion: 95 Resp: 375224

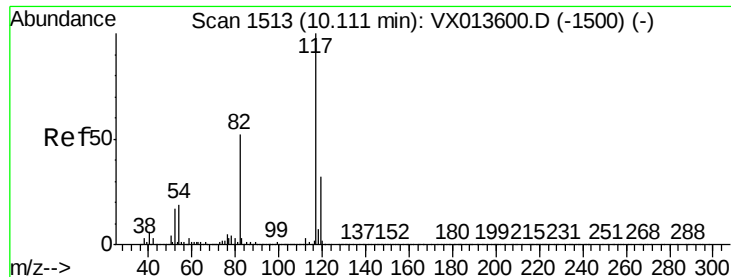
Ion Ratio Lower Upper

95 100

174 89.8 0.0 180.0

176 86.0 0.0 173.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VX013849.D

Acq: 09 Dec 2019 14:13

Instrument :

MSVOA_X

ClientSampleId :

EB01-20191205

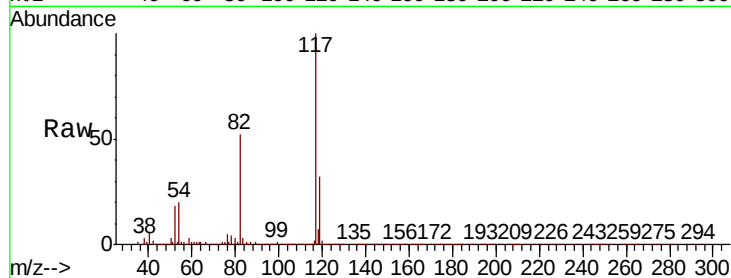
Tot Ion:117 Resp: 848527

Ion Ratio Lower Upper

117 100

82 52.4 41.8 62.8

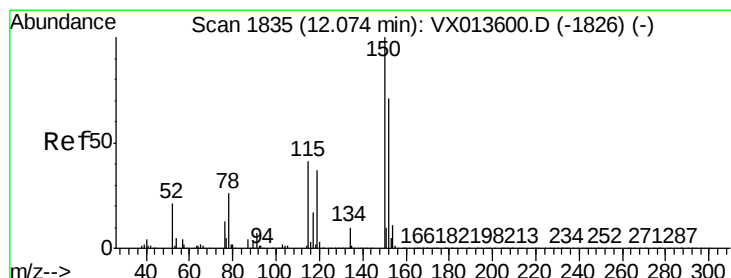
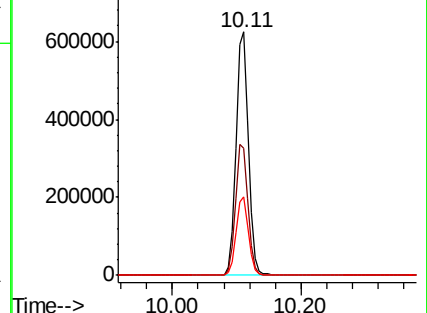
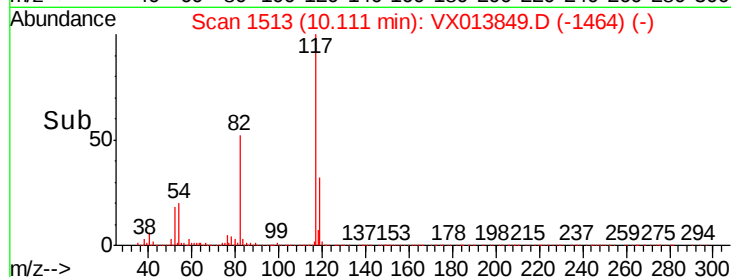
119 32.4 25.8 38.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX013849.D

Acq: 09 Dec 2019 14:13

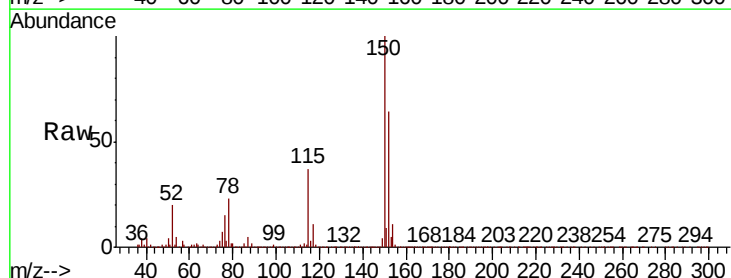
Tgt Ion:152 Resp: 365481

Ion Ratio Lower Upper

152 100

115 55.9 38.4 115.1

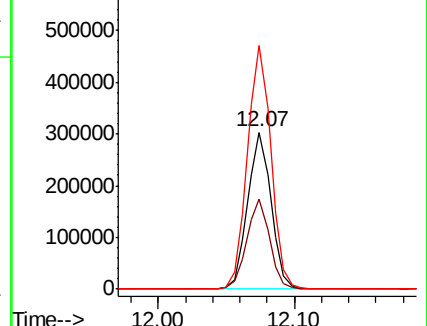
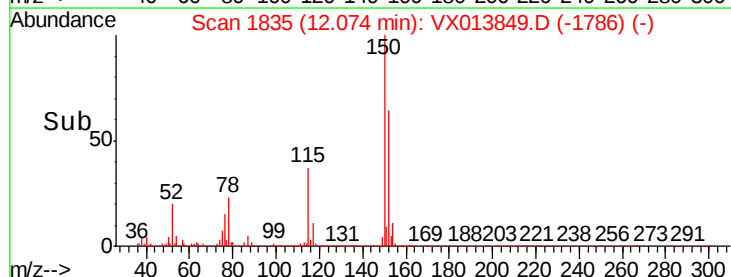
150 156.1 0.0 346.8

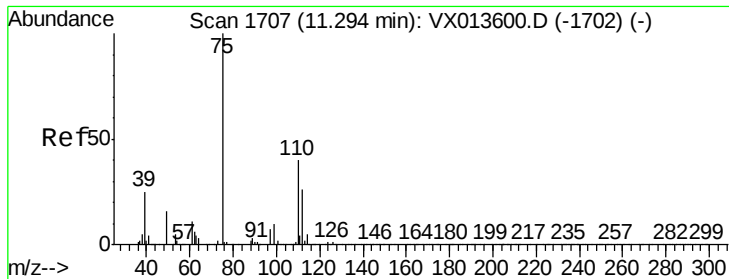


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

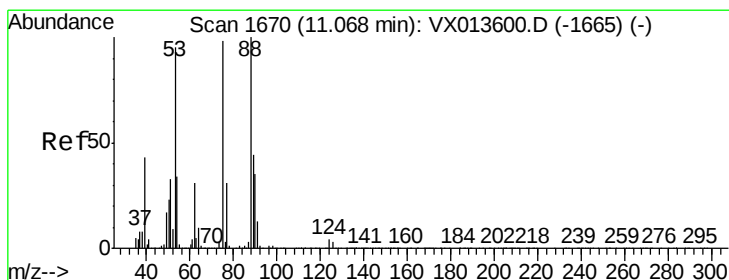
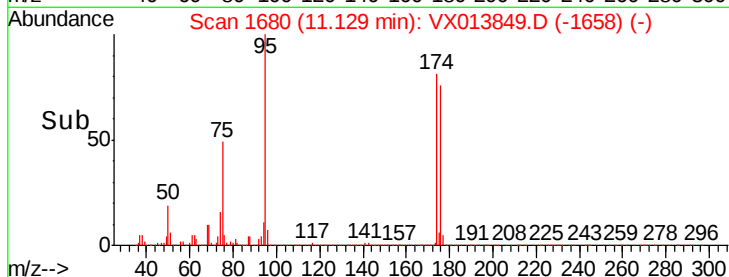
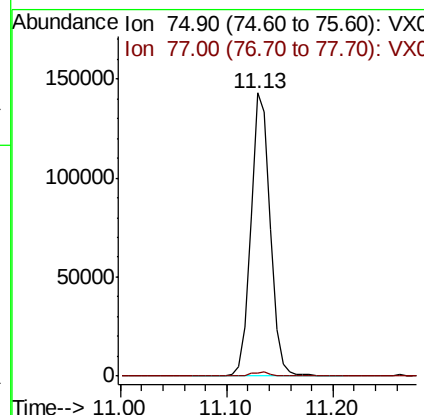
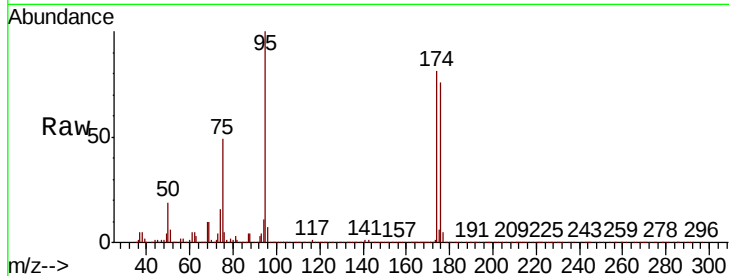




#76
 1,2,3-Trichloropropane
 Concen: 22.055 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. -0.16 min
 Lab File: VX013849.D
 Acq: 09 Dec 2019 14:13

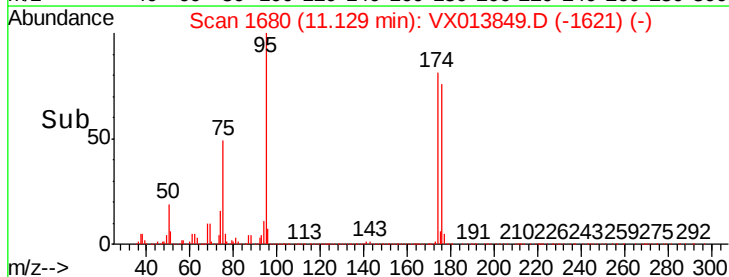
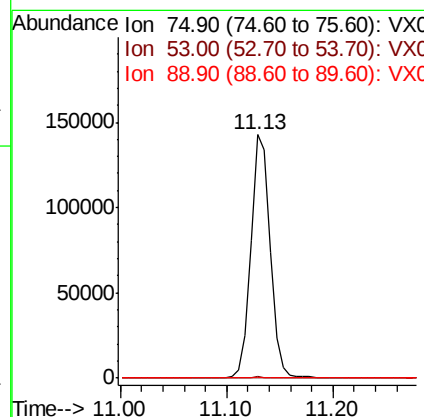
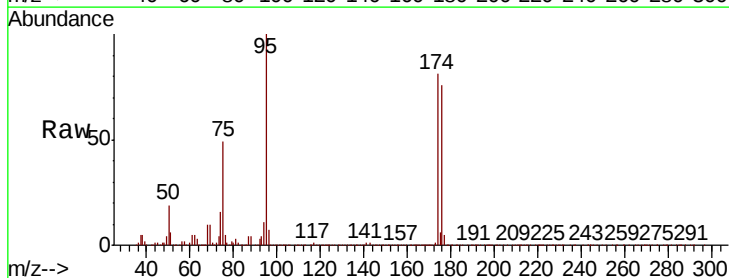
Instrument :
 MSVOA_X
 ClientSampleId :
 EB01-20191205

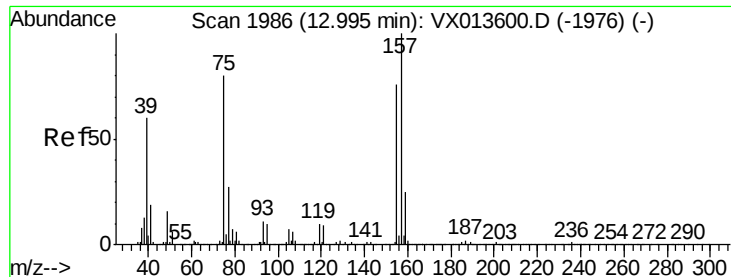
Tot Ion: 75 Resp: 181298
 Ion Ratio Lower Upper
 75 100
 77 1.5 19.1 57.5#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 60.338 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. 0.06 min
 Lab File: VX013849.D
 Acq: 09 Dec 2019 14:13

Tgt Ion: 75 Resp: 181298
 Ion Ratio Lower Upper
 75 100
 53 0.4 78.2 117.2#
 89 0.0 35.4 53.2#





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.222 ug/l

RT: 13.03 min Scan# 1991

Delta R.T. 0.03 min

Lab File: VX013849.D

Acq: 09 Dec 2019 14:13

Instrument :

MSVOA_X

ClientSampleId :

EB01-20191205

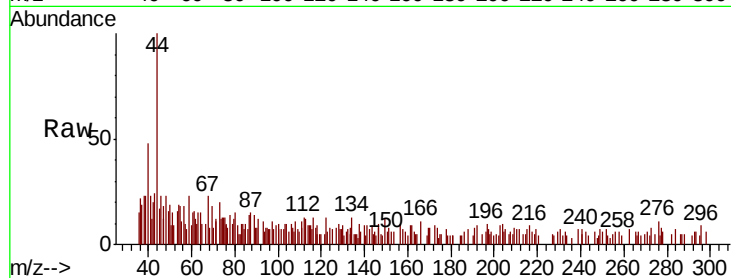
Tot Ion: 75 Resp: 430

Ion Ratio Lower Upper

75 100

155 50.0 47.6 142.8

157 120.0 62.1 186.2



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

